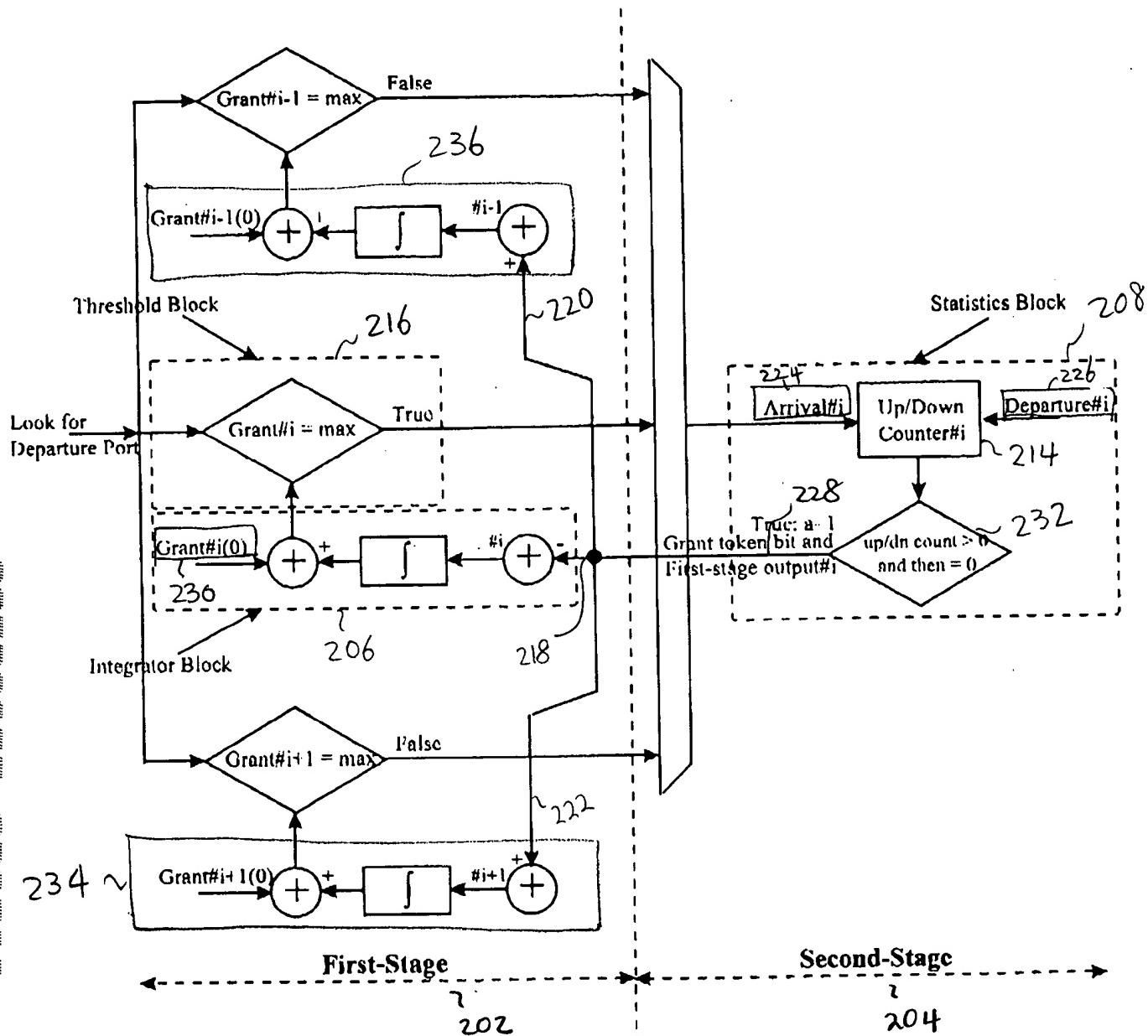


Figure 1 Architecture of A Multi-Stage Multi-Dimensional Switch  
to which the claimed technique is applied (usually  $N > M$ )



**Figure 2 Structure of An Adaptive Credit-Based Flow Control Logic Inside Each Switch Element at First Stage and Inside Each Crossconnect Element at Second Stage When Data Packet Arrives At Second-Stage From Input Port#i of First-Stage**

300

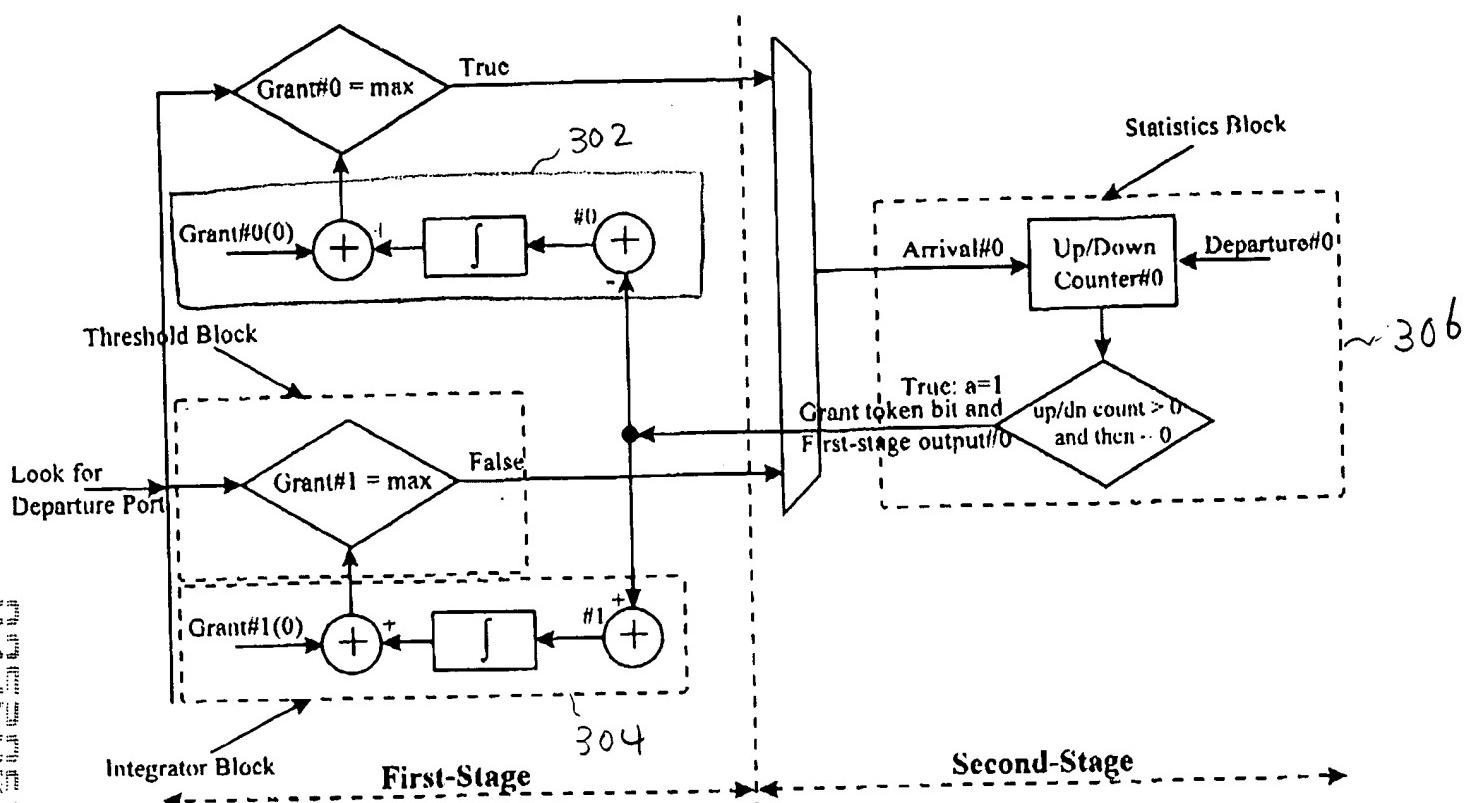


Figure 3 Upper Boundary of An Adaptive Credit-Based Flow Control Logic  
When Data Packet Arrives at Second-Stage From Output Port#0  
of First-Stage

✓ 400

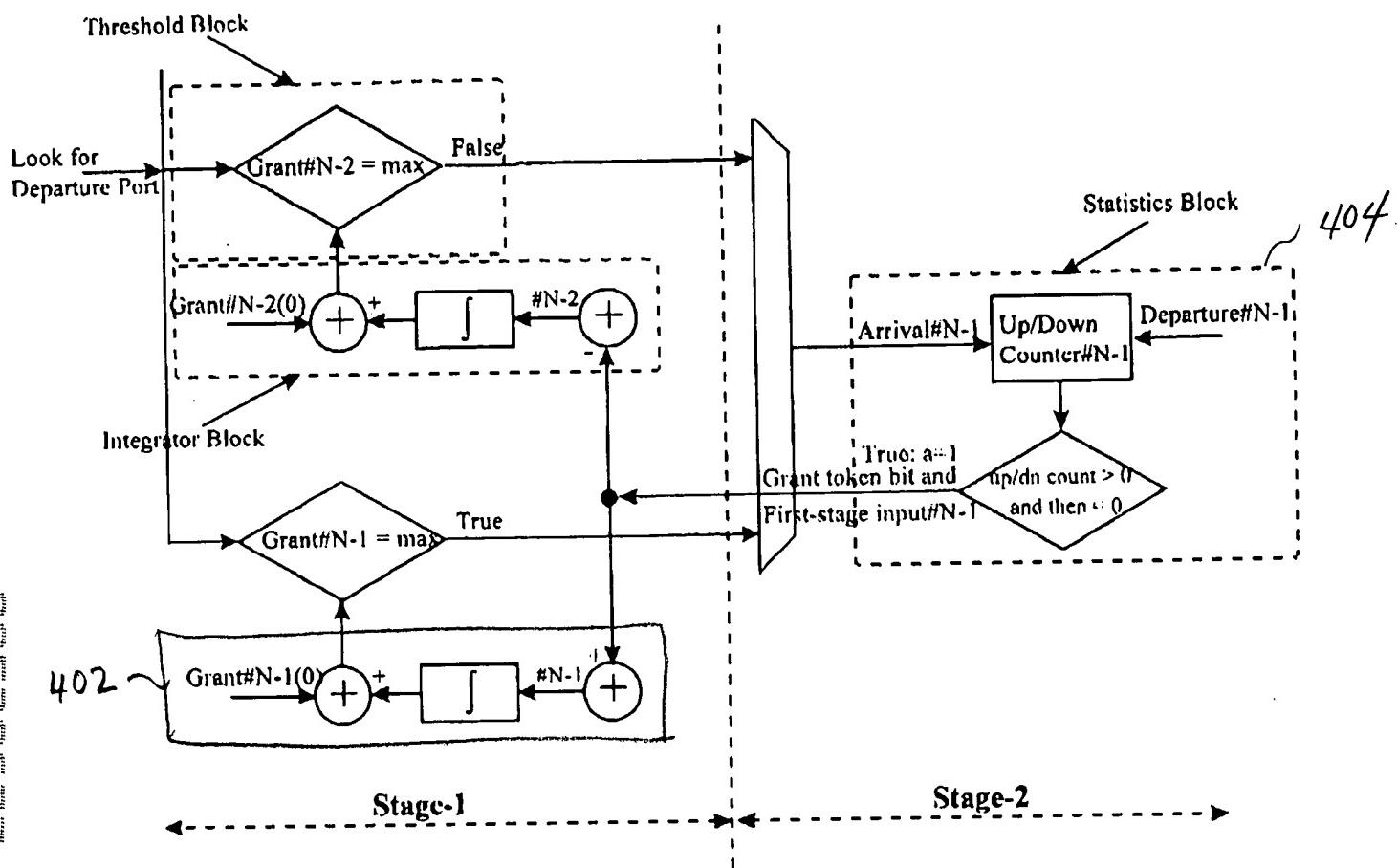


Figure 4 Bottom Boundary of An Adaptive Credit-Based Flow Control Logic  
When Data Packet Arrives at Second-Stage From Output Port#N-1  
of First-Stage

✓ 500

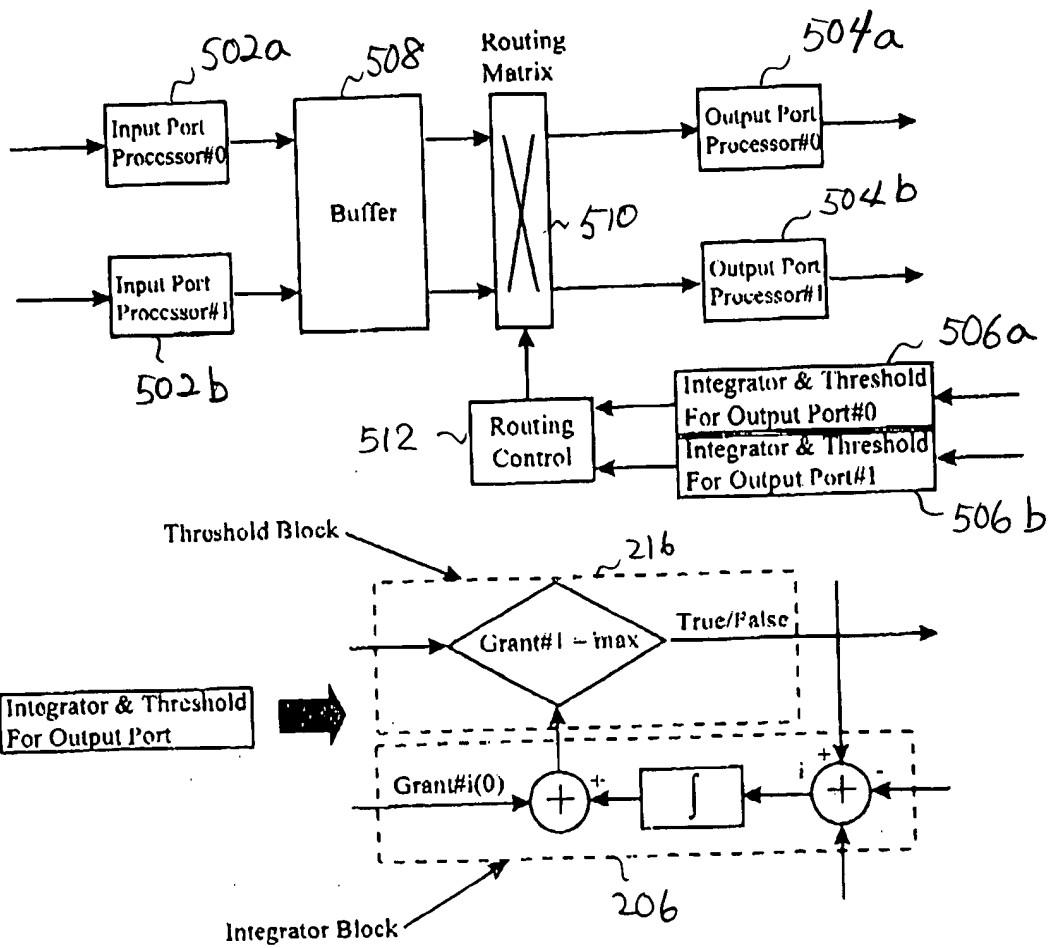


Figure 5 Internal Logic Flow of A Two-Port First-Stage Switch Element  
As Example

5 60

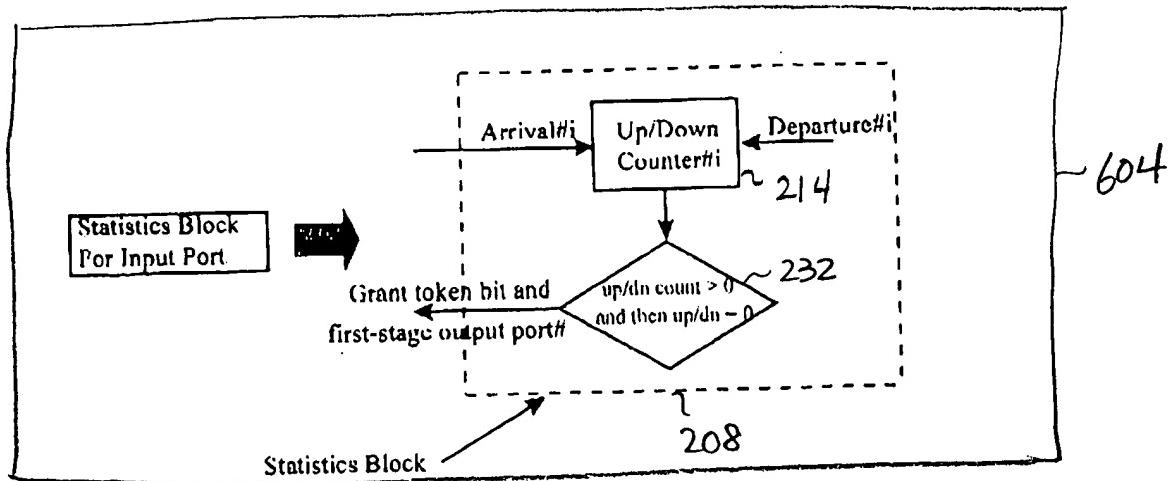
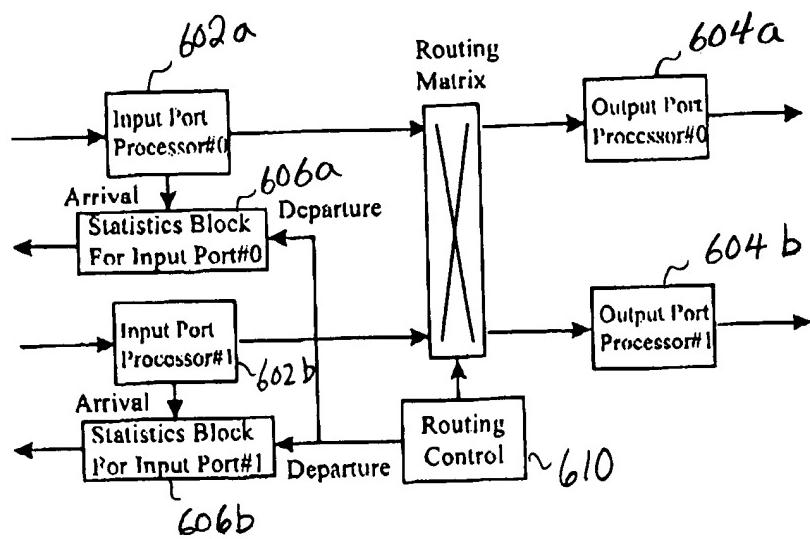


Figure 6 Internal Logic Flow of A Two-Port Second-Stage Crossconnect Element As Example